

**ABSTRACT**

725 > A signal connector assembly with a plug contact within a plug having a high resistive portion. When the plug of the assembly first makes contact with the electrical receptacles within a mating receptacle, the high resistive portion prevents a voltage surge. As the plug is further inserted into the receptacle, the energy passing from the plug to the receptacle is gradually increased. Eventually, the receptacle contacts within the receptacle pass the high resistive portion and make contact with the conductive portion of the plug contact, thereby permitting transmission of valid signals without the generation of spurious errors.

15 —